



FORGOTTEN/PTO 03 APR 2006

PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/559,919 Confirmation No.: 2654
Applicant(s): Derryberry et al.
Filed: 12/07/2005
Art Unit: 2683
Examiner:
Title: Method and Apparatus for Switching Mobile Station
Between Autonomous and Scheduled Transmissions
Attorney Docket No.: 873.0121.U1(US)
Customer No.: 29,683

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Request For Corrected Filing Receipt

Sir:

This is in response to the Filing Receipt (copy enclosed) received in regard to the above-identified patent application. The Filing Receipt contains an error.

Two inventor names are spelled incorrectly. The correct spellings are listed below.

R. Thomas Derryberry (corrected)

Liangchi Hsu (corrected)

Mark W. Cheng

Please send the undersigned a corrected Filing Receipt.

Thank you.



Respectfully submitted,

Walter J. Malinowski

Walter J. Malinowski (Reg. No. 43,423)

March 30, 2006

Date

Customer No.: 29683

Harrington & Smith, LLP

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Shelton, CT 06484-6212

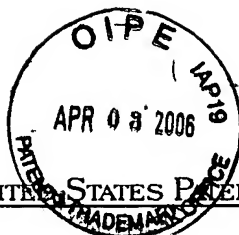
203-925-9400

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail on the date shown below in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

3/30/2006
Date

Lisa H. Hagg
Name of Person Making Deposit



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UNITED STATES DEPARTMENT OF COMMERCE
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/559,919	12/07/2005	2683	2350	873.0121.U(US)	4	33	7

CONFIRMATION NO. 2654

29683
HARRINGTON & SMITH, LLP
4 RESEARCH DRIVE
SHELTON, CT 06484-6212

FILING RECEIPT



OC000000018234159

Date Mailed: 03/10/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) *R. Thomas Derryberry*

Liangchi Hsu Thomas R. Derryberry, Plano, TX;
Liangchi Hsu, San Diego, CA;
Mark W. Cheng, San Diego, CA;

Power of Attorney: The patent practitioners associated with Customer Number 29683.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/IB03/02523 06/27/2003

Foreign Applications

UNITED STATES OF AMERICA 60477503 06/10/2003

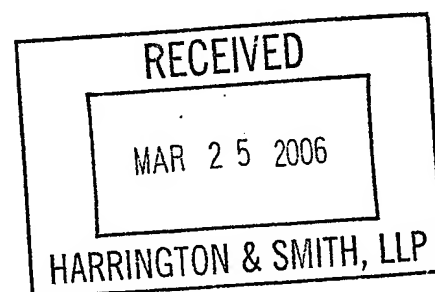
If Required, Foreign Filing License Granted: 03/08/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/559,919**

Projected Publication Date: 06/15/2006

Non-Publication Request: No

Early Publication Request: No



Title

Method and apparatus for switching mobile station between autonomous and scheduled transmissions

Preliminary Class

455

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/559,919	Thomas R. Derryberry	873.0121.U(US)

INTERNATIONAL APPLICATION NO.

PCT/IB03/02523

I.A. FILING DATE

06/27/2003

PRIORITY DATE

06/10/2003

29683

HARRINGTON & SMITH, LLP
 4 RESEARCH DRIVE
 SHELTON, CT 06484-6212

CONFIRMATION NO. 2654

371 ACCEPTANCE LETTER



OC000000018234160

Date Mailed: 03/10/2006

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

12/07/2005

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and
 (c)(4) REQUIREMENTS

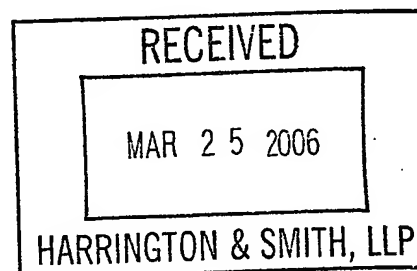
12/10/2005

DATE OF COMPLETION OF ALL 35 U.S.C. 371
 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 12/07/2005
- Copy of the International Search Report filed on 12/07/2005
- Preliminary Amendments filed on 12/07/2005
- Information Disclosure Statements filed on 12/07/2005
- Oath or Declaration filed on 12/07/2005
- U.S. Basic National Fees filed on 12/07/2005
- Assignment filed on 12/07/2005
- Priority Documents filed on 12/07/2005
- Specification filed on 12/07/2005
- Claims filed on 12/07/2005
- Abstracts filed on 12/07/2005



- Drawings filed on 12/07/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

873.0121.U1(US)

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.
PCT/IB2003/002523

INTERNATIONAL FILING DATE
27 June 2003

PRIORITY DATE CLAIMED
10 June 2003

TITLE OF INVENTION

Method and Apparatus for Switching Mobile Station Between Autonomous and Scheduled Transmissions

APPLICANT(S) FOR DO/EO/US

R. Thomas DERRYBERRY, Liangchi HSU, Mark W. CHENG

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). (2)
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 791 319 942 US

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number
WO 2004/110081 A1

(51) International Patent Classification⁷: **H04Q 7/20**

Farms Drive, San Diego, CA 92130 (US). **CHENG, Mark, W.** [—/US]; 4170 Via Mar de Delfinas, San Diego, CA 92130 (US).

(21) International Application Number:
PCT/IB2003/002523

(74) Agent: **SMITH, Harry, E.**; Harrington & Smith, LLP, 4 Research Drive, Shelton, CT 06484-6212 (US).

(22) International Filing Date: 27 June 2003 (27.06.2003)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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60/477,503 10 June 2003 (10.06.2003) US

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(71) Applicant (*for BB only*): **NOKIA INC.** [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

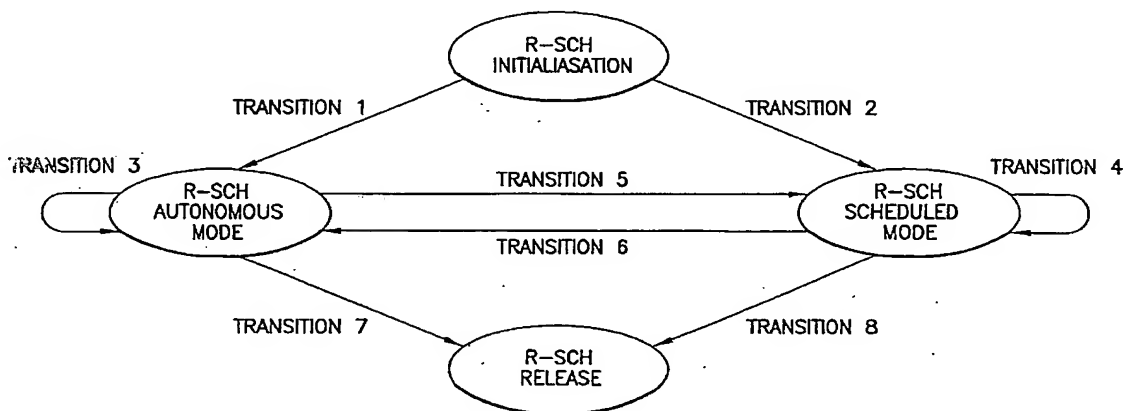
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **DERRYBERRY, R.**, Thomas [—/US]; 2620 Oak Grove Drive, Plano, TX 75074 (US). **HSU, Liangchi (Alan)** [—/US]; 12855 Seabreeze

Published:
— with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SWITCHING MOBILE STATION BETWEEN AUTONOMOUS AND SCHEDULED TRANSMISSIONS



(57) Abstract: Disclosed is a method for operating a moible station with a base station, as well as apparatus for performing this method. The method includes, when the mobile station is in an Autonomous mode of operation, autonomously transmitting from the mobile station to the base station of a reverse access channel or a reverse supplemental channel (Transition 3); in response to receiving an acknowledgement indication from the base station, that comprises a reverse channel assignment message for the mobile station, switching the mobile station to a Scheduled mode of operation (Transition 4) and transmitting data from the mobile station on an assigned reverse channel.